## Panasonic



## General Safety

Only use the power supply included with the product.
Do not connect the AC Adaptor to any AC outlet other than the standard AC220-240V.

The apparatus is approved for use with PQLV19E power supply.
This apparatus is unable to make emergency telephone calls under the following conditions:

- The portable handset batteries need recharging, or have failed.
- During a mains power failure.
- When the Key Lock is set to ON.
- When the unit is in Direct Call mode.
O Do not open the base unit or handset (other than to change the batteries).
O This apparatus should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
O Care should be taken that objects do not fall onto, and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.


## Environment

Do not use this unit near water.
This unit should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than $5^{\circ} \mathrm{C}$ or greater than $40^{\circ} \mathrm{C}$.
The AC Adaptor is used as the main disconnect device, ensure that the AC outlet is located / installed near the unit and is accessible.
WARNING:
TO PREVENT THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY OTHER TYPE OF MOISTURE.

## Battery Caution

Use only specified batteries.
Only use rechargeable batteries.
Do not mix old and new batteries.
Do not dispose of batteries in a fire, they may explode. Check local waste management codes for special disposal instructions.
Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
O Exercise care in handling the batteries in order not to short the batteries with conductive materials such as rings, bracelets and keys. The batteries and/or conductor may overheat and cause burns.
O Charge the batteries provided in accordance with the information given in this operating guide.

## Accessories

## (Included)

AC Adaptor PQLV19E

Telephone Line
Cord
PQJA87S
Batteries (AA Size) 2 batteries
N4DH33B00001
OR
HHR-6P/2SA1
Battery Cover 1
PQKK10109Y6

- Operating

Instructions
QUQX00018Z
Additional accessories are available for purchase. Contact your Panasonic Customer Care Helpline for further details.

- U.K. 08700100076
R.O.I. 012898333


## Setting Up

## Insert the Batteries



Please ensure the batteries are inserted as shown.

## Connection

Plug in the AC adaptor and the telephone line cord in order (1), (2), (3).
WARNING:
DO NOT CONNECT THE TELEPHONE LINE CORD TO THE PHONE SOCKET (4) UNTIL THE HANDSET IS FULLY CHARGED.


O Fasten the AC adaptor cord to prevent it from being disconnected.


The AC Adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use).

## Location

For maximum distance noise-free operation, place your base unit: -Away from electrical appliances such as TV, radio, personal computer or another phone.
-In a convenient high and central location.

## Wall Mounting

This unit can be mounted on a wall. Insert screws into wall. The centres of the screw holes should be 6 cm vertically apart.
O Connect the AC adaptor and the telephone line cord.
Arrange the wires as shown, then mount the unit.


## Notice

Some features described in these operating instructions/quick guide are dependent upon subscription to your Network provider (e.g Caller ID).
All features of this type will be marked throughout the manual with this icon.
Please note throughout this operating instructions/quick guide that the word "PRESS" is depicted by this symbol

## Battery Charging

（Before Initial Use）
！The batteries must be charged for approximately 15 hours before initial use．
After the batteries have been inserted into the handset，place the handset in the powered up base unit． （The telephone line cord must not be connected to the telephone socket at this time． Please leave your standard telephone connected until battery charging is complete）．
The batteries are fully charged only when is flashing．

## （After Initial Use）

When the battery icon flashes（and， if programmed，battery low alarm sounds），the handset should be charged immediately because there is little energy left in the batteries．

## Battery Life

Battery life is dependent on use and conditions but in general when using fully charged Ni－MH batteries： Talk time：20hrs approx． Standby time：200hrs approx． When using Ni－Cd batteries（based on 800 mA per hour）
Talk time： 12 hrs approx．
Standby time：100hrs approx．
（Times indicated are for peak performance）
－The batteries reach peak performance after several full charge／discharge cycles．
O The batteries cannot be overcharged unless they are repeatedly removed and replaced．
O If battery life is shortened then please check that battery and charge terminals are clean．
For maximum battery life it is recommended that the handset is not recharged until battery icon flashes （口）
4

## Replacing the batteries

If the 口 icon flashes after a few telephone calls even when the handset batteries have been fully charged，the batteries must be replaced．
！Charge new batteries for approximately 15 hours before initial use．
O（The telephone line cord must not be connected to the telephone socket at this time）．
O If the batteries are removed，the battery icon is reset to 口（less than $30 \%$ capacity）．In this case， even if fully charged batteries are fit－ ted，the icon remains as ■ until a full charge cycle is complete．
O On replacing the batteries，ensure that the correct battery type is selected（see＇Handset Settings＇）．

## Turning the Power ON／OFF

## Turn Power ON

$\cdots$ and hold $\chi$ ．
When button is released，display changes to the standby mode and a confirmation tone sounds．

## Turn Power OFF

From the standby mode，$\rightarrow \ggg$ and hold $\times$ until a long tone sounds．
The display goes blank．If you put the handset in the base unit，the battery icon will display．

## Answering Calls

When the phone rings，
Fl，（0）－（1NT），＊or（I）．
When an external call is incoming， you can temporarily turn off the handset ringer．
During an incoming call， hold $\nabla$ ．is displayed and the handset ringing stops．（This function will not work when the handset is on the base unit or if an internal call is incoming．）

Helpline Tel．No．：U．K． 08700100076 R．O．I． 012898333


## Making Calls

## $\rightarrow 9$

Dial the number.
After a few seconds, the call duration is displayed. The dialled number is stored in the redial memory.
When you are finished with the call, $\rightarrow x$.

- Alternatively, dial the number, then $\rightarrow \rightarrow$. This procedure allows you to edit / confirm the number before dialling.
- If you misdial, $\mathrm{F}_{\mathrm{B}}$ (C).
- If $\boldsymbol{Y}$ flashes and an alarm tone sounds when you press $\rightarrow$, move closer to the base unit and try your call again.


## Setting the Receiver Volume

○ During a phone call, $\rightarrow$ or $\nabla$ to change the volume setting to LOW (o), MEDIUM (oo) or HIGH (ooo).

## Handset Locator / Paging

Using this feature you can locate a misplaced handset by paging.
0 ( $\rightarrow>0$ )) on the base unit.
All handsets ring for 1 minute.
0 ( $\rightarrow>0)$ ) again or $(\rightarrow)$ on (one of) the handset(s) to stop ringing.

## Redialling

## Redialling the Last

Number Dialled


The last number dialled displays and is dialled.

## Making a Call from the Redial List

The last 10 numbers dialled are stored.
From the standby mode $\rightarrow \Delta$ or $\nabla$ to select number. (To exit the redial list, $\rightarrow \ggg)$.


## Caller ID Service

Caller ID is a service of your Network provider and will only operate if you have subscribed to this feature.
After subscribing to Caller ID, this phone will display the callers information. If your unit is connected to a PBX or a telephone line that does not support this service you will not be able to use it.
Caller ID does not display caller information while using the handset for an intercom call. However, the caller's information will be stored to the Caller ID List.

## Making a Call from the <br> \section*{Caller ID List}

The last 50 caller's phone numbers are stored in the order the calls were received.
O From the standby mode
四 or $\square$.
The newest number is displayed.

- If there are no numbers stored in the Caller ID list $n 0 \mathrm{I} E \mathrm{n}$ is displayed.
0 or or to select number.
and $\triangle$ to the most recent calls.
- Only the most recent call from the same phone number is stored.
- Only 12 digits of a phone number are displayed. To display the remaining digits of longer phone numbers,
On selection




## Speed Dialling

You can store up to 20 telephone numbers in the handset．

## Storing New Numbers

From the standby mode 因．
MEA SPEEd is displayed．
$\rightarrow$ Bros．
$\square$ and an index number $00-19$ is displayed．
＊Enter a phone number（max 24
digits）．
圂目。
SRUEd is displayed．To enter another number repeat from＊．
If speed dial memory is full MEnOry FULL is displayed．
You can keep a record of your Speed Dial numbers in the reference table included in the ＇Quick Guide＇．

## Dialling Stored Numbers

## $\rightarrow \infty$

－

## OR

$\rightarrow 00-19$ to select index number directly．

If you press（C），or no digits are entered for over 1 minute，speed dial is cancelled．

## Saving Numbers to Speed Dial from Other Lists

Please reference＂Caller ID List
Menu／Redial List Menu＂．

## Speed Dial List Menu

You can edit or clear a speed dial number from memory or assign a hot key to any speed dial number．
－From the standby mode مص．
－$\rightarrow$ or $\nabla$ to select number from list．
$\rightarrow$ Br
$E d \boldsymbol{I t}$ is displayed．
约 $\triangle$ or $\nabla$ to select a menu item then follow the instructions that follow：

## （Edit the Speed Dial

 Number）：$\rightarrow$ Br
$\rightarrow$ or to move the edit point．
Digits are added or deleted to the left of the flashing digit．
To add digits $\rightarrow 0$－
0 To clear digits（C）．
－

## ［LERI

（Clear a Speed Dial Number）：

## 0 To

－$\rightarrow$ or $\square$ to select yES（YES）．
0 回。
CLEATEd is displayed，a confirmation tone sounds and the next number is displayed．If you clear the last number，$\cap 0$ IEE $\boldsymbol{H}$ is displayed．
（Register a Speed Dial Number as a Hot Key
（1）－（10x9）：
0 回。
$\rightarrow$ or $\nabla$ to select a key from 1－9．
If a key has already been assigned as a hot key，it will flash in the display． $\rightarrow$ 回。
因 or to select YES（YES）．
Nob．
The speed dial number is displayed and a confirmation tone sounds．
To exit the menu at any time， ज

## Hot Key

## Dialling a Hot Key Number

You can assign the dialling buttons (1) choose 9 phone numbers from the speed dial list (See "Register a Speed Dial Number as a Hot Key").
Oold and hold a key
 -
The number stored with that key is displayed.
$\rightarrow$ or $\boldsymbol{\nabla}$ to view other numbers stored.
为 to dial.

## Clearing Caller Information from a Hot Key

$\rightarrow$ and hold a key (1) -
The number stored with that key is displayed.
OB. CLEAT is displayed.
OD.
$\rightarrow \square$ or $\nabla$ to select YES (YES).以

## Key Lock

You can lock the handset dialling buttons. Only incoming calls are accepted while the key lock is ON.

## Turn Key Lock ON

$\rightarrow$ and hold 目 until a beep sounds. ' -O ' is displayed and all dialling buttons are locked.
! When the key lock is ON, emergency calls cannot be made until key lock is cancelled.

## Turn Key Lock OFF

$\rightarrow$ and hold 目 until a beep sounds. ' - O' disappears and key lock is cancelled.
The key lock is also cancelled if the handset is turned off.

## Recall Feature

(R) is used to access special telephone services. Contact your Network provider for details. If your unit is connected to a PBX, pressing (R) allows you to access some features of your host PBX such as transferring an extension call (Refer to 'TBR' in 'Base Unit Settings').

## Call Waiting

Call Waiting is a service of your Network provider and will only operate if you have subscribed to this service.
After subscription, your handset displays a second caller's phone number while talking and a Call Waiting tone is heard.
You can answer the second call, keeping the first call on hold.

Please consult your Network provider for details of this service.


## Dialling Pause

! This function is for PBX line/long distance service users.

A dialling pause is used when a pause in the dialling of the phone number is necessary using a PBX or accessing a long distance service. (see "Select Pause Timing").
For example, when 9 (line access number) is dialled followed by a pause to access an outside line through a PBX:

## (

$\rightarrow$ ( $P$ ' is displayed on the LCD). Enter telephone number.

## $\rightarrow 7$.

- Entering a pause prevents misdialling when you redial or dial a stored number.
- Pressing © once creates one pause. To extend the pause requirement time, $\rightarrow$ accordingly.


## Handset Settings

Before proceeding with any of the main menu items listed in this chap－ ter，the following procedure must initially be carried out：
From the Standby mode，$\rightarrow \square$.
곤 or $\nabla$ to select SELE ING H5（Setting Handset）．
$\rightarrow$ 回．
$\rightarrow$ or to select main menu items from below（see menus in shaded text boxes）：
－To exit the menu at any time，$\rightarrow$ ．
$\checkmark \backsim$ or（C）to return to previous step during programming．

```
t InE RLaF!
```

（Alarm Settings）：＊

$\rightarrow$ ．
EEt $t$ InE

\section*{（Set Time of Alarm）：＊

## $\rightarrow$ Br

## $\rightarrow$ Br

요（0）－ digits）－ 24 hour clock．Digits are entered over the flashing digit．
To clear $\rightarrow$（C）．
解目 to save．
$\rightarrow \square$ or $\square$ to select ORCE（Once）， repert dRILY（Repeat Daily）or OFF（Off）．
$\rightarrow$ O．
5Et RLRIT

## （Set Alarm）：

$\rightarrow$ 回
－$\rightarrow$ or $\nabla$ to select OMCE（Once）， repert drily（Repeat Daily）or OFF（Off）．
0 回。
To Stop Alarm
0 When the alarm sounds，$\rightarrow \rightarrow$ ，
（0）－（ $\because$（ m ） ．
Alarm stops and display returns to the standby mode．If once is selected，the setting is turned off．
When in talk or intercom mode the alarm will not sound until the call is ended．
＊For this feature to work you must first set the Clock（see＂Base Unit Settings＂）．

F IMUEF OPE

## （Ringer Settings）：


$\rightarrow$ or $\nabla$ ．
r InGer UOL

## （Select the Handset Ringer Volume）：

B
四 or to select Ringer Volume．
The choices are 6 levels or OFF．
$\rightarrow$ On
EHL 「IMLET
（Select Ringer Pattern for External Incoming call）＊
To program see＊below．

## int rinuer

## （Select Ringer Pattern for

 Internal call）＊To program see＊below． PRG InG
（Select Ringer Pattern for Paging／Handset Locator tone）＊
To program see＊below．
RLRIT
（Select Ringer Pattern for Alarm tone）：＊
＊There are 20 patterns available for each ringer option．


To pattern．
$\rightarrow$ D．

Before programming，please follow steps 1 to 4 of＇Handset Settings＇．

```
tOHE DPE
    (Tone Settings):
    B->
    ->0
hEy tONE
```


## （Set Key Confirmation

``` Tone ON／OFF）＊
```

To program see＊below．
CRLL BRILI程

## （Set Call Waiting Tone

 ON／OFF）＊To program see＊below． Call waiting tone sounds when an incoming external call is received during an intercom call．

## 「ROLE RLBFA

## （Set Range Alarm ON／OFF）＊

To program see＊below．
Alarm will sound when you move out of range of a base unit．
bREEETY LOU

## （Set Battery Low Tone ON／OFF）＊

＊Program as follows
$\rightarrow \Delta$ or $\nabla$ to select ON／OFF．
$\qquad$

```
dISPLRY OPE
```

（Display Options）：


5tRndib 00 dE
（Select Standby Mode Display）：

## So

$\rightarrow \square$ or $\nabla$ to select from $b 5$ no
（Base Unit number），HS $n 0$
（Handset Number），CLOCh（Clock） or OFF（Off）．
证
！Time will only be displayed if the clock has been set（see ＂Base Unit Settings＂）．

## tRLh nOdE

## （Select Talk Mode

 Display）：下on．
$\rightarrow \sin$ or $\boldsymbol{\nabla}$ to select from $t R L h$ $t$ IME（Length of Call）or PHOME חO（Phone Number）．
ND．

## CRLL OPE

## （Call Options）：

0 OD．
0 田 or
CRLL bRI

## （Set Call Prohibition ON／OFF）：

This allows you to make emergency and intercom calls only．
0 Oーロ
－Enter handset PIN（4 digits）．
If the PIN is incorrect an error tone sounds．
O $\rightarrow$ or $\boldsymbol{\square}$ to select 0 （On）or OFF（Off）．
0 O
If $0 n$ is selected， is displayed． dIFELE $\cap 0$
（Enter a Direct Call Number）：
After a Direct Call phone number has been entered and Direct Call set to ON，you can call the Direct Call number only，by pressing ．
Incoming calls are accepted．
$\rightarrow$ •
Enter phone number．
䧄目。
to save the entered number．
$\rightarrow$ or $\square$ to select $0 \Pi(\mathrm{On})$ or OFF（Off）．
$\rightarrow$ 回。
If 0 is selected， $\boldsymbol{m}^{2}$ is displayed．

Before programming, please follow steps 1 to 4 of 'Handset Settings'.


## Base Unit Settings

You can change the base unit settings using a handset near the base unit．
Before proceeding with any of the base settings listed in this chapter，the following procedure must initially be carried out：
From the standby mode，$\rightarrow$ ．
$\rightarrow \Delta$ or $\nabla$ to select SELE IMC bS（Setting Base）．
回。
IMPUE COdE is displayed．From this display，follow the instructions after each heading．
Please note：Where＇Enter PIN＇is stated in this chapter，it refers to the 4 digit Base Unit PIN．（The factory setting is 0000 ）．
－To exit the menu at any time， $\boldsymbol{\beta} \boldsymbol{\gamma}$ ．

## Ringer Mode

## To select all handsets to

 ring옹（1）
Enter PIN．
공
Tor
To select specific handset（s）to ring
$\rightarrow$（1）．
－Enter PIN
0 承
0 （1）－
handset（s）．
The selected handsets will be flashing．
0 OD．
To select specific handset（s） then all handsets to ring
The specific handset（s）will ring for a selected number of rings．If not answered， all handsets will ring．
$\rightarrow 1$ ．
－Enter PIN．
此
（1）－ to ring．
回回。
－ rings．
$\rightarrow$ 回。

## Select Base Unit

Ringer Volume
$\rightarrow \rightarrow 2$ twice．
（0）（Off）or（1）－ select volume．回

## Selecting Time Break

 Recall（TBR）／Earth Recall Mode（option）The factory setting is time break recall（TBR）．If your PBX requires earth recall mode，this can be added at an extra cost．Please contact our Customer Care Helpline for details． （
Enter PIN．
（ $3 \times 2$ then（m2 for earth mode OR
（1）for time break recall mode（TBR）．

Before programming, please follow steps 1 to 3 of 'Base Unit Settings'.

## Select Pause Timing

You can set the pause timing to 3 or 5 seconds, depending on your PBX requirements (see "Dialling Pause").
Br (10ध3).
Enter PIN.
Br (1) to select 3 seconds OR Tr $\rightarrow \gtrdot \rightarrow$.

## Set the 4 - Digit Base Unit PIN

You can change the 4-digit password for the base unit. The factory preset is 0000 .
Gos.
Enter PIN.
Enter New PIN (4 digits) twice.
If entered incorrectly, an error tone sounds.
If entered correctly, a confirmation
tone sounds.
! Once you have programmed the password, you cannot confirm it. We recommend you write down the password. If you forget it, please consult our Panasonic Customer Care Helpline.
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## Set Call Restriction

You can restrict selected handset(s) from dialling selected phone numbers. You can assign up to 6 call restriction numbers (up to 8 digits).
Fsom.

## Enter PIN.

All registered handset numbers are displayed.
To (1) - to select
handset(s) to restrict.
The selected handset(s) will flash.
$\rightarrow \square$.
Enter a restriction number (max. 8 digits).
(If you misdial (C).
number.
To continue entering call restriction numbers (max. 8 digits), enter the number, then
On completion, $\rightarrow$ •国。
! If you dial a restricted number, the call does not connect and restricted number flashes.

## Cancel Call Restricted Handset(s)

$\rightarrow$ जos.
Enter PIN.
To (1) - to select
handset(s) to cancel.
The selected handset(s) will stop
flashing.
To

A basic guide to operations \& features.

## Panasonic

## Quick Guide \&

## Useful Information

## Batteries

## Insert the Batteries



Please ensure the batteries are inserted as shown.

## Important!

Charge the batteries for approx. 15 hours before initial use.

- Batteries reach peak performance after several full charge/discharge cycles.
- For further information on batteries, please refer to main Operating Instructions.


## Network Dependent Features

Some features described in these Operating Instructions/Quick Guide are dependent upon subscription to your Network provider (eg. Caller ID, Call Waiting).
All features of this type will be marked throughout the Operating Instructions/Quick Guide with this icon.


## Contact Information

If you experience any problems with your product, please contact our Customer Care Helpline (Monday - Friday 9:00am 5:30pm) on:
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Order accessory items for all Communications Products with ease and confidence either by telephoning our Customer Care
 Helpline or by going online through our Internet Accessory ordering service shop@Panasonic : www.panasonic.co.uk

- Most major credit and debit cards are accepted.
- All enquiries, transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!


## Location of Controls



## Handset controls

(1) - Receiver
(2) - Function/OK Button
(3) - Talk Off/Power Button
(4) - Cancel Button
(5) - Intercom Button
(6) - Charge Contact
(7)-Display
(8) - Speed Dial Button
(9) - Talk Button
(10) - Navigator Key
(11) - Redial/Pause Button
(12)-Recall Button
(13) - Charge Contact
(14) - Microphone

## Base unit controls

Page button

## Handset Display

| Icon | Displays | Flashes |
| :--- | :--- | :--- | :--- |

## Quick Guide



## Your Guide to the Display

Note: The LCD display of the handset can display up to 7 segments and each character will be displayed as shown in the following table. Some characters will be displayed in a different way; for example, the character M is displayed $\Pi$. This is not a defect of the handset display, it is simply the representation of the characters used in this kind of display. The LCD descriptions listed below are displays that do not show the correct letter form or are abbreviated descriptions. The meanings of these displays have been added for your reference.

| Character | A | B | C | D | E |  | F | G | H | I | J | K | L | M | N | 0 | P | Q | R | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Display | 8 | $b$ | C | d | $E$ |  | $F$ | $\square$ | H | I | U | h | L | ก | ก | 0 | $P$ | 9 | r |  |
| Character | T | U | V | W | X |  | Y | Z | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | * | 0 | \# |
| Display | $t$ | $U$ | $U$ | b | H |  | $y$ | 2 | 1 | 2 | 3 | 4 | 5 | 5 | 7 | 8 | 9 | 4 | 0 | 三 |


| Display Message | Display Meaning | Display Message | Display Meaning |
| :---: | :---: | :---: | :---: |
| glarn | Alarm | ก 1-¢d | $\mathrm{Ni}-\mathrm{Cd}$ |
| ruto | Automatic | חi-n | $\mathrm{Ni}-\mathrm{MH}$ |
| RULO ERLh | Automatic Talk | no kEn | No Item |
| brtetry lou | Battery Low | OLHET OPL | Other Option |
| bRtEETY ESPE | Battery Type | PHONE 00 | Phone Number |
| ¢5 70 | Base Number | rgnue mlart | Range Alarm |
| b5 Pin | Base Unit Pin | regiseer hs | Register |
| CRLL OPE | Call Option |  | Handset |
| CRLL brit inu | Call Waiting | r incer opt | Ringer Option |
| cloch | Clock | r incer uol | Ringer Volume |
| direct 00 | Direct Number | reset hs | Reset Handset |
| diSplis opt | Display Option | SELEEE bS | Select Base |
| Edit CRLL 0 | Edit a Call no. | SEt RLRİп | Set Alarm |
| EHE 「 Incer | External Ringer | SEt $\varepsilon$ IME | Set Time |
| H5 00 | Handset Number | SEtt inu bs | Setting Base |
| H5 Pin | Handset PIN | SEtt inu hs | Setting Handset |
| hS P in chance | Change Handset PIN | standiby node tRLh MOdE | Standby Mode Talk Mode |
| HOE hEY TEU | Register Hot Key | tRLh t IME | Talk Time |
| int rinuei | Internal Ringer | cime rlarn | Time Alarm |
| hes tone | Key Tone | tone opt | Tone Option |
| nenory full | Memory Full | UOL | Volume |
| MES SPEEd | New Speed |  |  |
| חEם P in | New PIN |  |  |

Before programming，please follow steps 1 to 3 of＇Base Unit Settings＇．

## Set the Clock

$\stackrel{*}{\rightarrow}$ ．
Enter a new time（4 digits）（24
hour time）（ $\rightarrow$
家目。
！After a mains power failure the clock needs to be reset．

## Reset the Base Unit

You can reset all of the base unit settings to their initial factory settings．（see＂Base Unit Initial Settings＂）．
$\rightarrow 0$ ．
Enter PIN．
降目。
！If the base unit is reset，the Caller ID list will clear．


## Handset Initial Settings

To reset handset to initial settings refer to "Handset Settings".


Time Alarm Mode
Alarm Time
Handset Ringer Volume
Handset External Ringer Pattern
Handset Internal Ringer Pattern
Handset Paging Tone Pattern
Handset Alarm Tone Pattern
Key Tone
Call Waiting Tone
Range Warning Alarm
Battery Low Alarm
Standby Mode Display
Talk Mode Display
Call Prohibition Mode
Direct Call Mode
Direct Call Number
4 Digit Handset PIN
Auto Talk
Base Unit Access
Handset Receiver Volume
Redial Memory

OFF
Clear
3
1
1
1
1
ON
ON
OFF
ON
Base Unit Number
Length of the Call
OFF
OFF
Clear
0000
OFF
Automatic Base Unit Access
2
All Clear

## Base Unit Initial Settings



16

To reset base unit to initial settings refer to "Base Unit Settings".


Ringer Mode
Number of Rings
Earth/Time Break Recall
Pause Timing
Call Restricted Handset(s)
Call Restriction Number(s)
Base Unit PIN
Base Unit Ringer Volume

All Handsets
3
Time Break Recall
3 seconds
All Clear
All Clear
0000
Medium

## Operating Additional Handsets

Additional KX－A120E handsets are available to purchase separately．Up to 6 handsets can be registered to a single base unit．Using additional handsets allows you to have an intercom call while simultaneously on another handset conducting a call to an outside line．

## Operating Additional

 Base UnitsYou can register and operate your handset with up to 4 base units．Each base unit forms 1 radio cell．If the individual bases


Radio Cell AUTO base selection， Eg．in STANDBY MODE
Additional
handsets the handset will automatically swap to （KX－A120E）the second base if the registered with range on the first base 2 base units． is exceeded．
It is not possible to transfer calls between bases（only between handsets linked to the same base unit）．

NOTE：Calls are disconnected when the handset moves from one radio cell to another．

## Registering a Handset to a Base Unit

The handset supplied with the base unit is already registered．If an optional handset is purchased，it must be registered as follows．
！Charge the optional handset batteries for 15 hours before initial use．
From the Standby mode，
Tos or $\boldsymbol{\nabla}$ to select SEtt InC HS （Setting Handset）．
3 回。
4 田 or $\nabla$ to select：
redistiat IOn
（Registration）：
5 जros．
FEUISEET HS

（Register Handset）：
0 回。
○（ $\rightarrow$ and hold 0$)$ ）on the base unit for 10 seconds．A base registration tone sounds．
！Handset must be registered within 1 minute．If over 1 minute $\rightarrow \infty$ then restart registration．
－ （base 1－4）．
$0 \rightarrow$ •
O Enter base unit PIN（4 digits－ factory preset is 0000 ）．

－When handset and base unit connect a confirmation tone sounds．
－If handset registration is not successful within 5 minutes，an error tone sounds．


## Cancelling a Handset

Each handset can cancel itself or another handset．
From the standby mode，$\rightarrow$ 回。 Nos or $\nabla$ to select SEEt InG bs． $\rightarrow$ 回。
Torm when IMPUE［OdE is displayed．
Enter base unit PIN（4 digits）．
0 （1）－ to cancel．
－ぶ目。

## Cancelling a Base Unit

Follow steps 1 to 5 of ＂Registering a Handset to a Base Unit＂，then：
$\rightarrow$ or $\nabla$ to select：
cancel brse

## （Cancel a Base Unit）

You can cancel any base unit that your handset is registered to．
Ton
Enter handset PIN（4 digits）．
$\rightarrow$ or $\square$ to select base unit（s） to cancel．
－
Selected base number（s）flash（es）．
0 Bros．
－$\rightarrow$ or $\nabla$ to select YES（Yes）or no（No）．
－
If selection was $4 E 5$ ，CLERTEd is displayed briefly．

## Selecting a Base Unit

When ruto（Automatic Base Unit Access）is selected，if you move out－ side of the radio range of the current base unit the handset automatically searches for other registered bases． When a specified base unit is selected， the handset will access that base unit only．
Follow steps 1 to 3 of＂Registering a Handset to a Base Unit＂，then：

SELECE b5

## （Select Base Unit）：

0 回。
－ specific base unit 1－4（only registered base unit numbers are displayed）．
0 to confirm selection．
Calls（both incoming and outgoing），can be conducted only via the selected base unit，even if the radio cells overlap with neighbouring base units．

## Intercom Between Handsets

You can use your handsets as a 2－way intercom．For example，when Handset 1 calls Handset 2：

Handset 1－
$\bigcirc$
（T）（desired handset
number）．
Handset 2 （ringing）－
OOO to answer．
Handset 1 and 2 －
0 O to end the call．
！Intercom calls can be conducted within the radio cell of the current base unit，but not with units in neighbouring radio areas．

## Transferring Calls to Another Handset

The intercom can be used during a call to transfer an external call
between handsets that are registered to the same base unit.
For example, when handset 1
transfers a call to Handset 2:
Handset 1 -
During the call, $\rightarrow \mathbb{N} \mathbb{N T}$.
-)) is displayed and the call is put on hold.
Tor (desired handset number).
A ring back tone is heard until
Handset 2 answers.*
Handset 2 (ringing) -
$\circ \rightarrow$ or $\mathbb{N} T$ to answer.
Handset 1 \& Handset 2 -
(Have conversation).
Handset 1 -
0 ㅇos x to release the call for transfer
OR
OT INT to connect to external caller again.
To transfer the call directly, without speaking to the other handset:

## Handset 1 -

$0 \rightarrow x$ at *.
Handset 2 -

- $\rightarrow$

The transfer is complete.
If the transferred call is not answered within 30 seconds, Handset 1 will ring again. to answer the call.

## Conference Calls

During a conversation in an external call, you can make an intercom call to another handset and then combine the calls together to establish a conference call:

## Handset 1 -

During the call, $\rightarrow \mathbb{N} \mathbb{N T T}$ then $\rightarrow \rightarrow 2)$ (desired handset
number).
The call is put on hold.
If there is no answer, $\rightarrow \mathbb{I N T}$ to
return to the caller.
Handset 2 (ringing) -
जr or $\mathbb{N T T}$ to answer.
Handset 1 -
conference call.

## Handset 1 or Handset 2 -

0 O to end the conference call.




| Problem | Possible cause | Solution |
| :---: | :---: | :---: |
| Cannot register handset to base. | - Max. number of bases already registered to handset. <br> - Max. number of handsets already registered to base unit. <br> - Wrong PIN number entered (Default 0000). <br> - Electrical noise in local area. | - Delete unused base registrations from handset. <br> - Delete unused handset registrations from base. <br> - If PIN number is lost, contact the Panasonic Customer Care Helpline. <br> - Move base / handset away from sources of electrical noise (e.g TV, radio ). |

I- If you still have a problem please contact our Customer Care Helpline (Monday - Friday 9:00am - 5:30pm) on : U.K. 08700100076
R.O.I. 012898333

## Technical Information

## Specifications:

Standard:

Number of channels:
Frequency range:
Duplex procedure:
Channel spacing:
Bit rate:
Modulation:
RF Transmission Power:
Voice coding:
Operating range:
Power source:
Power consumption, base unit:
Operating conditions:
Dimensions, Base Unit:
Dimensions, Handset:
Telephone line cord length: AC adaptor cord length:

DECT=(Digital Enhanced Cordless
Telecommunications).
GAP=(Generic Access Profile).
120 Duplex Channels.
1.88 GHz to 1.9 GHz .

TDMA (Time Division Multiple Access).
1728 kHz .
$1152 \mathrm{kbit} / \mathrm{s}$.
GFSK.
approx. 250 mW .
ADPCM/32kbit/s.
Up to 300 m outdoors (line of sight), up to 50 m indoors.
AC Adaptor $220-240 \mathrm{~V}$ AC $\sim 50 / 60 \mathrm{~Hz}$.
5 VA.
$5^{\circ}-40^{\circ} \mathrm{C}, 20-80 \%$ relative air humidity (dry) About $103 \mathrm{~mm} \times 122 \mathrm{~mm} \times 60 \mathrm{~mm} \times 180 \mathrm{~g}$
About $134 \mathrm{~mm} \times 46 \mathrm{~mm} \times 30 \mathrm{~mm} \times 85 \mathrm{~g}$
(without batteries)
About 2.3 m
About 1.9 m

- Specifications are subject to change.
- The illustrations used in this manual may differ slightly from the original device.


## Connections:

- The telephone will not work during a power failure.

We therefore recommend you use a standard telephone and T Adaptor to connect this Digital Cordless Phone to the line. Your Panasonic Sales Shop can offer you more information about connection possibilities.

## Index




## Guarantee

## CONDITIONS OF GUARANTEE

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the appliance proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective appliance (or any part or parts there of) repaired or replaced free of charge.

1. The appliance shall have been purchased and used solely within either the UK or ROI and in accordance with standard operating instructions and the technical and/or Safety Standards required in the UK.
2. The appliance should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorised dealer from whom the appliance was purchased or to the nearest authorised dealer. All enquires must be through such dealers.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this appliance is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the appliance are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the appliance, or the appliance has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the appliance or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any appliance or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these Operating Instructions with your receipt.
Panasonic Business Systems U.K.
Receipt No. Date of Purchase
Model No. KX-TCD650E $\quad$ Serial No.




Hereby, Kyushu Matsushita Electric (U.K.) Limited declares that this (KX-TCD650E) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the manufacturer's declaration of conformity to the essential requirements of the R\&TTE Directive is available at the following web address: http://doc.panasonic-tc.de

For your future reference
Serial No.
Date of purchase
(found on the bottom of the unit)
Name and address of dealer

Customer Care Helpline Tel. No.: U.K. 08700100076
R.O.I. 012898333
(€0436
1999/5/EC

Technical specifications are subject to change.

## Sales Department:

Panasonic Business Systems U.K.
Panasonic House, Willoughby Road, Bracknell, Berkshire, RG12 8FP

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